(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 14 October 2004 (14.10.2004)

PCT

(10) International Publication Number WO 2004/086983 A1

(51) International Patent Classification⁷: A61F 2/00

A61B 17/04,

(21) International Application Number:

PCT/EP2004/003598

(22) International Filing Date:

5 April 2004 (05.04.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/460,492

3 April 2003 (03.04.2003) US

- (71) Applicant (for all designated States except US): ETHICON GMBH [DE/DE]; Robert-Koch-Str. 22851 Norderstedt (DE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): LANDGREBE, Susanne [DE/DE]; Zuckerhut 3, 23867 Süllfeld (DE).
- (74) Agents: BOTH, Georg, et al.; Uexküll & Stolberg, Beselerstr. 4, 22607 Hamburg (DE).

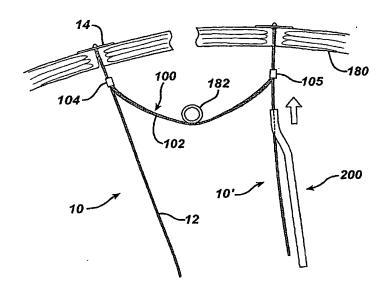
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SURGICAL IMPLANT SYSTEM FOR TREATING FEMALE URINARY INCONTINENCE



(57) Abstract: A surgical implant system for treating female urinary incontinence has at least one suspending device (10, 10') and a support structure (100) for the urethra (182). The suspending device has an upper end area and a lower end area, the upper end area being able to be fastened an on internal anatomical tissue structure (180) to the side of and above the urethra. The support structure is designed for implantation transversely with respect to the urethra and has a fastening device (104, 105) which is assigned to the suspending device and which fastens the support structure an the suspending device. The fastening device is arranged to the side of the urethra and, after it has been removably fastened on the suspending device, it can be moved along the suspending devicein order to adjust the position of the support structure

